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(71) Applicant: Endress + Hauser GmbH + Co. 79689 Maulburg (DE)

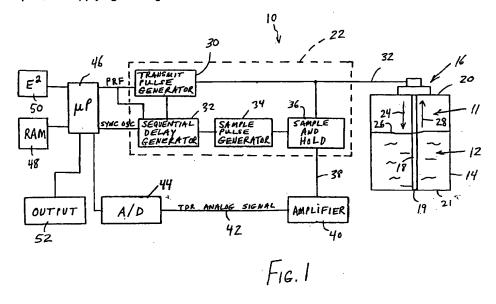
(72) Inventors:

- · Wartmann, Gerd Greenwood, Indiana 46142 (US)
- · Cummings, Donald D. Greenwood, Indiana 46141 (US)
- Perdue, Kenneth L. Franklin, Indiana 46131 (US)
- · Swager, Richard B. Plainfield, Indiana 46168 (US)

(54)Processor apparatus and method for a process measurement signal

(57) The present invention provides a processor apparatus for processing a time domain reflectometry (TDR) signal having a plurality of reflection pulses to generate a valid output result corresponding to a process variable in a vessel and a method for a process measurement signal. One method includes the use of at least two different techniques for detecting a valid reflection pulse generated by the process variable to calculate an independant result using each of the at least two techniques, and applying a wheighted factor to

the independant results from each of the at least two different techniques to provide weighted results. Another method includes establishing an initial boundary signal before the process variable is located in the vessel, storing the initial boundary signal, detecting the TDR signal, determining a baseline signal by subtracting the initial boundary signal from the TDR signal, determining a maximum value of the reflection pulse and calculating an output result based on the maximum value.





EUROPEAN SEARCH REPORT

Application Number EP 96 12 0455

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